

### **Abstract**

The invention relates to an alkali-free aluminoborosilicate glass having a coefficient of thermal expansion  $\alpha_{20/300}$  of between 2.8 and  $3.9 \cdot 10^{-6}/K$ , which has the following composition (in % by weight, based on oxide):  $SiO_2 > 58 - 65$ ,  $B_2O_3 > 6 - 11.5$ ;  $Al_2O_3 > 14 - 20$ ,  $MgO > 3 - 6$ ,  $CaO > 4.5 - 10$ ,  $SrO 0 - < 1.5$ ,  $BaO > 1.5 - 6$ , or  $SrO 0 - < 4$ ,  $BaO > 2.5 - 6$ , respectively, with  $SrO + BaO > 3$ ,  $ZnO 0 - < 2$ , and which is highly suitable for use as a substrate glass both in display technology and in thin-film photovoltaics.